

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1094	29/603.07,603.08,603.11-603.16,603.18.ccls.	USPAT; JPO; DERWENT	OR	ON	2005/11/21 12:58
S2	4903	360/121,122,126,317.ccls.	USPAT; JPO; DERWENT	OR	ON	2005/11/21 12:59
S3	488	360/324.2,324.12.ccls.	USPAT; JPO; DERWENT	OR	ON	2005/11/21 13:00
S4	1394	magnetic near (tunnel adj junction)	USPAT; JPO; DERWENT	OR	ON	2005/11/21 13:00
S5	140	antiferromagnetic with ferromagnetic with pinned with free with (insulat\$3 or spacer)	USPAT; JPO; DERWENT	OR	ON	2005/11/21 13:01
S6	22	S4 and S5	USPAT; JPO; DERWENT	OR	ON	2005/11/21 13:01
S7	1	S1 and S6	USPAT; JPO; DERWENT	OR	ON	2005/11/21 13:01
S8	5	S3 and S6	USPAT; JPO; DERWENT	OR	ON	2005/11/21 13:01
S9	6	S7 or S8	USPAT; JPO; DERWENT	OR	ON	2005/11/21 13:07
S10	18	(hard near (bias adj layer)) near free	USPAT; JPO; DERWENT	OR	ON	2005/11/21 13:23
S11	3	S4 and S10	USPAT; JPO; DERWENT	OR	ON	2005/11/21 13:14
S12	2	jayasekara-wipul.in.	USPAT; JPO; DERWENT	OR	ON	2005/11/21 13:14
S13	11	("20010021089"   "20020154456"   "6249407"   "6327107"   "6330136"   "6381107"   "6469879"   "6542342"   "6650513"   "6661626"   "6671141").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 13:15
S14	3	("5650958"   "5729410"   "6084752").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 13:20

S15	2	("6836392").PN.	USPAT; USOCR; JPO; DERWENT	OR	OFF	2005/11/21 13:20
S16	4	(hard near (bias adj layer)) near (insulat\$3 adj layer)	USPAT; JPO; DERWENT	OR	ON	2005/11/21 13:24
S17	1	(hard near (bias adj layer)) near (contact\$3 or connect\$3) near free	USPAT; JPO; DERWENT	OR	ON	2005/11/21 13:36
S18	3	(hard near (bias adj layer)) near (antiferromagnetic)	USPAT; JPO; DERWENT	OR	ON	2005/11/21 13:36
S19	21	(bias adj layer) near (antiferromagnetic adj material)	USPAT; JPO; DERWENT	OR	ON	2005/11/21 13:36


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IEE CNF IEE Conference Proceeding

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IEEE STO IEEE Standard

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## 1. Spin-valve heads using CrMnPt antiferromagnetic films

Hamakawa, Y.; Komuro, M.; Watanabe, K.; Hoshiya, H.; Okada, T.; Nakamoto, Fuyama, M.; Fukui, H.;  
 Magnetics, IEEE Transactions on  
 Volume 35, Issue 2, Part 1, March 1999 Page(s):677 - 682  
 Digital Object Identifier 10.1109/20.750627

[AbstractPlus](#) | [Full Text: PDF\(560 KB\)](#) IEEE JNL

## 2. Spin-valve heads utilizing antiferromagnetic NiO layers

Hamakawa, Y.; Hoshiya, H.; Kawabe, T.; Suzuki, Y.; Arai, R.; Nakamoto, K.; Fi Sugita, Y.;  
 Magnetics, IEEE Transactions on  
 Volume 32, Issue 1, Jan. 1996 Page(s):149 - 155  
 Digital Object Identifier 10.1109/20.477565

[AbstractPlus](#) | [Full Text: PDF\(712 KB\)](#) IEEE JNL

## 3. Taper effect in spin valve devices

Zhu, N.; Hiner, C.; Rana, A.; Huai, Y.; Seagle, D.;  
 Magnetics, IEEE Transactions on  
 Volume 36, Issue 5, Part 1, Sept 2000 Page(s):2575 - 2577  
 Digital Object Identifier 10.1109/20.908515

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